

# Determining Magnetic Properties of AMB-1

1. Inoculate from glycerol stock in 2mL E-MSGM in culture tube, and a fourth tube of 2ml E-MSGM only
2. Grow culture in 30 C until saturation
3. Check if the media only tube has any growth
4. Dilute bacterial culture 1:100 into 50mL falcon tube (add 400 uL culture to 39.6 mL media)
5. Check OD600 of the culture every 24 hours until it reaches approximately OD600 0.1.
6. Prepare 18 2mL Eppendorf tubes and add cadmium to corresponding concentration
7. Grow the spiked culture in 30C incubator and measure OD600 every two hours right after addition of cadmium and every 24 hours afterwards.